

May-29-98 10:33A D.O.I. B.O.R. Chama  
May-28-98 16:06 SCIPAR Inc

USBR Chama  
Attn: Mr. Jeff Nettleton  
193 N. Pinon Dr.  
Chama, NM 97520

Date: May 23, 1998

Subject: Y2K compliance

Dear Jeff:

The status of the San Juan Chama SCADA Y2K compliance is as follows:

- The SCADA portion *of* the computer is fully year 2000 compliant. All times used by the SCADA are stored in 64 bit integer fields. The base date and time for the offset is 17-NOV-1858. The offset kept in the 64 bit integer field is the number of 10 nanosecond increments since this date. Overflow will not occur until 2924 years from the base date. Additionally, the year is stored as a four digit number by the SCADA application.
- Digital Equipment Corporation (DEC) has identified a problem with Open VMS Alpha Version 6.1 through 7.0 and Open VMS VAX Version 5.5 through Version 7.0. These systems have a problem if applications use the UNIX time origin of 1-Jan-1970. This time origin has a delta time limit of 10,000 days. The San Juan Chama SCADA application does not use this time format. At the time of the Y2K compliance memo dated April 16, 1998 it was believed the SCADA was run on Open VMS VAX Version 5.5. In actuality the San Juan Chama SCADA is run on Open VMS VAX Version 5.4. DEC has neither identified any problems with nor provided any patches for this software version. It can continue to be fun in its present state.

Sincerely,

Gerard Skrzynski